

## Report for ASE - Homework 1

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### Requirements:

Complete the parties.py view within the given files.

### Implementation:

The various decorations were missing which methods were allowed, that was handled according to the provided documentation.

The various methods were missing their bodies, but as they are quite short a detailed explanation seems superfluous. Special care was taken in handling all exceptions thrown by the party.py class.

To speed up and be consistent with the implementation, pre-existing functions were used whenever possible. No design liberties were taken. Return messages were tailored to the API. When neither the API nor the test file specified an error message (cases in which only a code was requested), a fitting error message was implemented, for human readability.

Some methods (single\_party for instance) don't make use of the pre-defined return variable "result", but this doesn't change anything at an API logic level.

Repo link: [https://github.com/giuseppe-crea/ASE\\_Assignment\\_1](https://github.com/giuseppe-crea/ASE_Assignment_1)

Here the required screengrabs, operations ordered by the order within the test file.

```
PS I:\Documents\OneDrive Unipi\OneDrive - University of Pisa\Corsi di Laurea\Cybersecurity LM-66\Secondo Anno\Primo Semestre\Advanced Software Engineering\Python\skeleton\ase-assignment1-master> cd ..\bedrock_a_party\
PS I:\Documents\OneDrive Unipi\OneDrive - University of Pisa\Corsi di Laurea\Cybersecurity LM-66\Secondo Anno\Primo Semestre\Advanced Software Engineering\Python\skeleton\ase-assignment1-master\bedrock_a_party> pytest
===== test session starts =====
platform win32 -- Python 3.9.0, pytest-6.2.5, py-1.10.0, pluggy-1.0.0
rootdir: I:\Documents\OneDrive Unipi\OneDrive - University of Pisa\Corsi di Laurea\Cybersecurity LM-66\Secondo Anno\Primo Semestre\Advanced Software Engineering\Python\skeleton\ase-assignment1-master, configfile: setup.cfg
plugins: cov-3.0.0
collected 2 items

tests\test_party.py .. [100%]

I:\Documents\OneDrive Unipi\OneDrive - University of Pisa\Corsi di Laurea\Cybersecurity LM-66\Secondo Anno\Primo Semestre\Advanced Software Engineering\Python\skeleton\ase-assignment1-master\venv\lib\site-packages\coverage\inorout.py:409: CoverageWarning: Module myservice was never imported. (module-not-imported)
  self.warn(f"Module {pkg} was never imported.", slug="module-not-imported")
I:\Documents\OneDrive Unipi\OneDrive - University of Pisa\Corsi di Laurea\Cybersecurity LM-66\Secondo Anno\Primo Semestre\Advanced Software Engineering\Python\skeleton\ase-assignment1-master\venv\lib\site-packages\coverage\control.py:701: CoverageWarning: No data was collected. (no-data-collected)
  self.warn("No data was collected.", slug="no-data-collected")
WARNING: Failed to generate report: No data to report.

I:\Documents\OneDrive Unipi\OneDrive - University of Pisa\Corsi di Laurea\Cybersecurity LM-66\Secondo Anno\Primo Semestre\Advanced Software Engineering\Python\skeleton\ase-assignment1-master\venv\lib\site-packages\pytest_cov\plugin.py:294: CovReportWarning: Failed to generate report: No data to report.

  self.cov_controller.finish()

===== warnings summary =====
..\venv\lib\site-packages\flask\json\_init_.py:31
  I:\Documents\OneDrive Unipi\OneDrive - University of Pisa\Corsi di Laurea\Cybersecurity LM-66\Secondo Anno\Primo Semestre\Advanced Software Engineering\Python\skeleton\ase-assignment1-master\venv\lib\site-packages\flask\json\_init_.py:31: DeprecationWarning: Importing 'itsdangerous.json' is deprecated and will be removed in ItsDangerous 2.1. Use Python's 'json' module instead.
    _slash_escape = "\\" not in _json.dumps("/")

..\venv\lib\site-packages\flask\json\_init_.py:61
  I:\Documents\OneDrive Unipi\OneDrive - University of Pisa\Corsi di Laurea\Cybersecurity LM-66\Secondo Anno\Primo Semestre\Advanced Software Engineering\Python\skeleton\ase-assignment1-master\venv\lib\site-packages\flask\json\_init_.py:61: DeprecationWarning: Importing 'itsdangerous.json' is deprecated and will be removed in ItsDangerous 2.1. Use Python's 'json' module instead.
    class JSONEncoder(_json.JSONEncoder):

..\venv\lib\site-packages\flask\json\_init_.py:103
  I:\Documents\OneDrive Unipi\OneDrive - University of Pisa\Corsi di Laurea\Cybersecurity LM-66\Secondo Anno\Primo Semestre\Advanced Software Engineering\Python\skeleton\ase-assignment1-master\venv\lib\site-packages\flask\json\_init_.py:103: DeprecationWarning: Importing 'itsdangerous.json' is deprecated and will be removed in ItsDangerous 2.1. Use Python's 'json' module instead.
    class JSONDecoder(_json.JSONDecoder):

..\venv\lib\site-packages\flask\app.py:2459
  I:\Documents\OneDrive Unipi\OneDrive - University of Pisa\Corsi di Laurea\Cybersecurity LM-66\Secondo Anno\Primo Semestre\Advanced Software Engineering\Python\skeleton\ase-assignment1-master\venv\lib\site-packages\flask\app.py:2459: PytestCollectionWarning: cannot collect 'tested_app' because it is not a function.
    def __call__(self, environ, start_response):

bedrock_a_party/tests/test_party.py: 13 warnings
  I:\Documents\OneDrive Unipi\OneDrive - University of Pisa\Corsi di Laurea\Cybersecurity LM-66\Secondo Anno\Primo Semestre\Advanced Software Engineering\Python\skeleton\ase-assignment1-master\venv\lib\site-packages\flask\json\_init_.py:211: DeprecationWarning: Importing 'itsdangerous.json' is deprecated and will be removed in ItsDangerous 2.1. Use Python's 'json' module instead.
    rv = _json.dumps(obj, **kwargs)

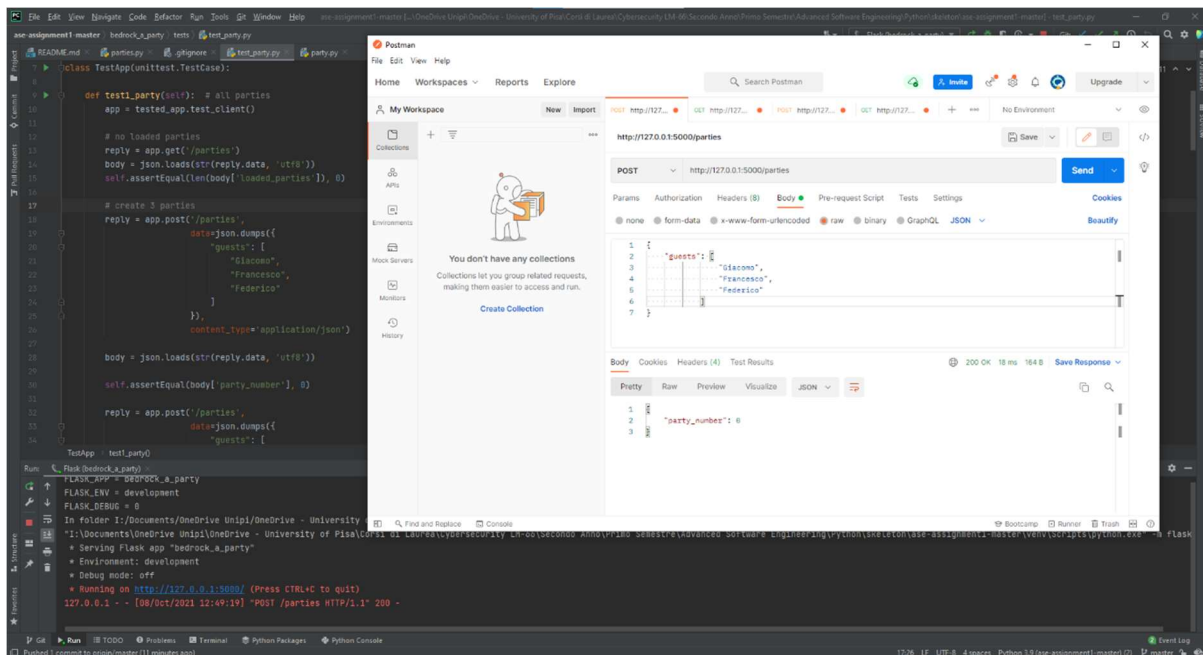
-- Docs: https://docs.pytest.org/en/stable/warnings.html

----- coverage: platform win32, python 3.9.0-final-0 -----

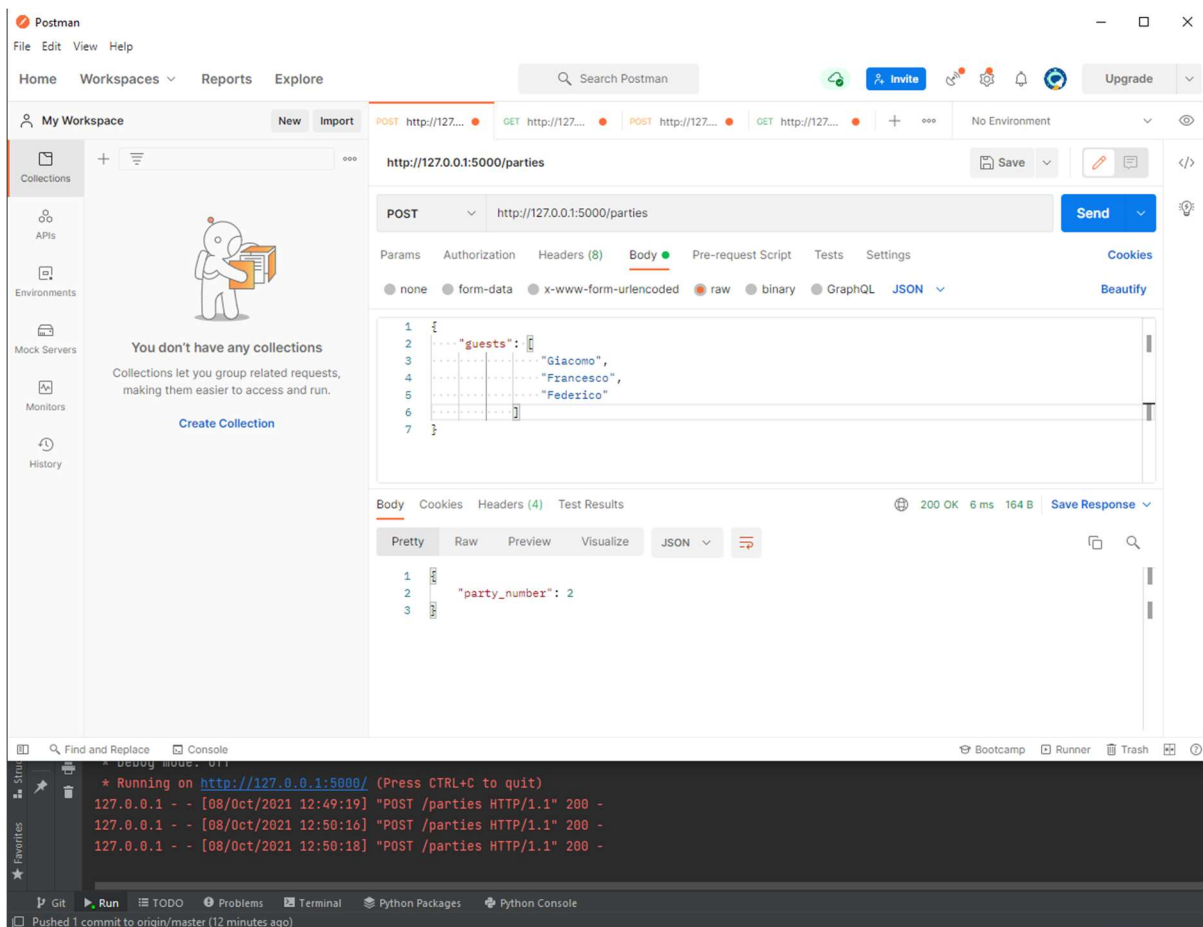
FAIL Required test coverage of 98% not reached. Total coverage: 0.00%
===== 2 passed, 19 warnings in 2.30s =====
PS I:\Documents\OneDrive Unipi\OneDrive - University of Pisa\Corsi di Laurea\Cybersecurity LM-66\Secondo Anno\Primo Semestre\Advanced Software Engineering\Python\skeleton\ase-assignment1-master\bedrock_a_party>
```

### 1- Test File Success

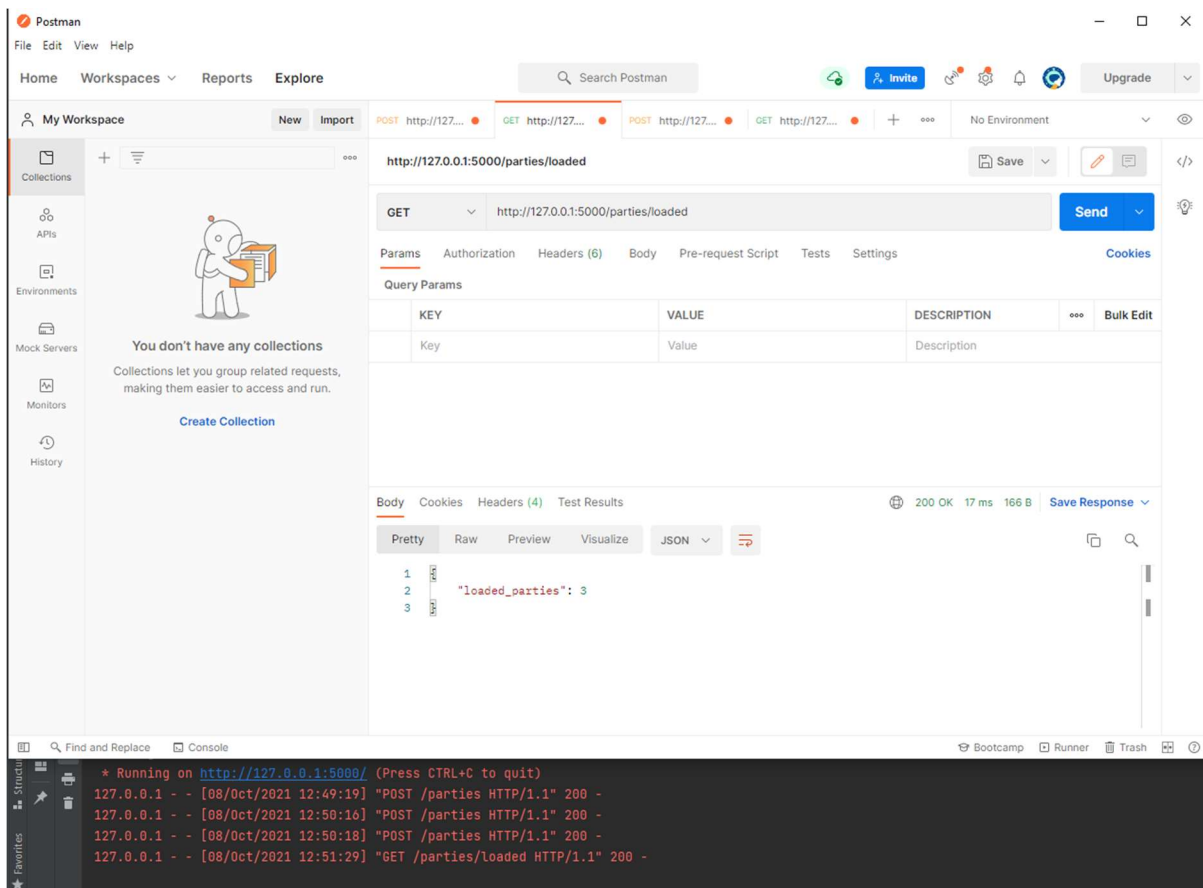
## 1<sup>st</sup> Test Case



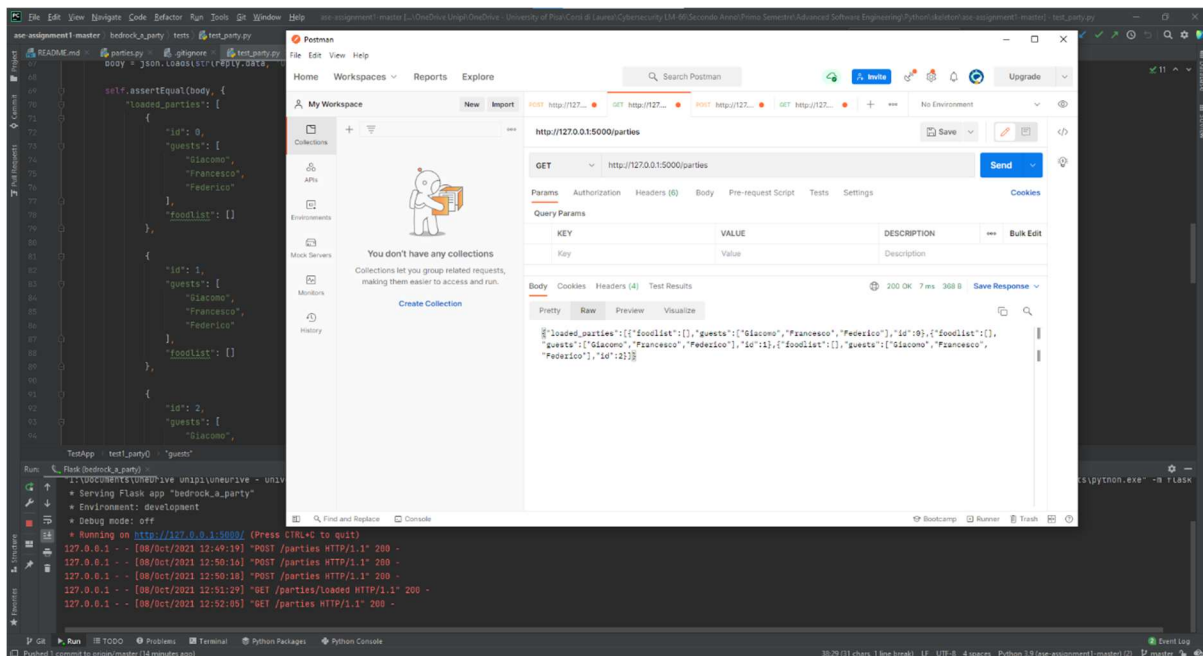
## 2- POST a new party in /parties



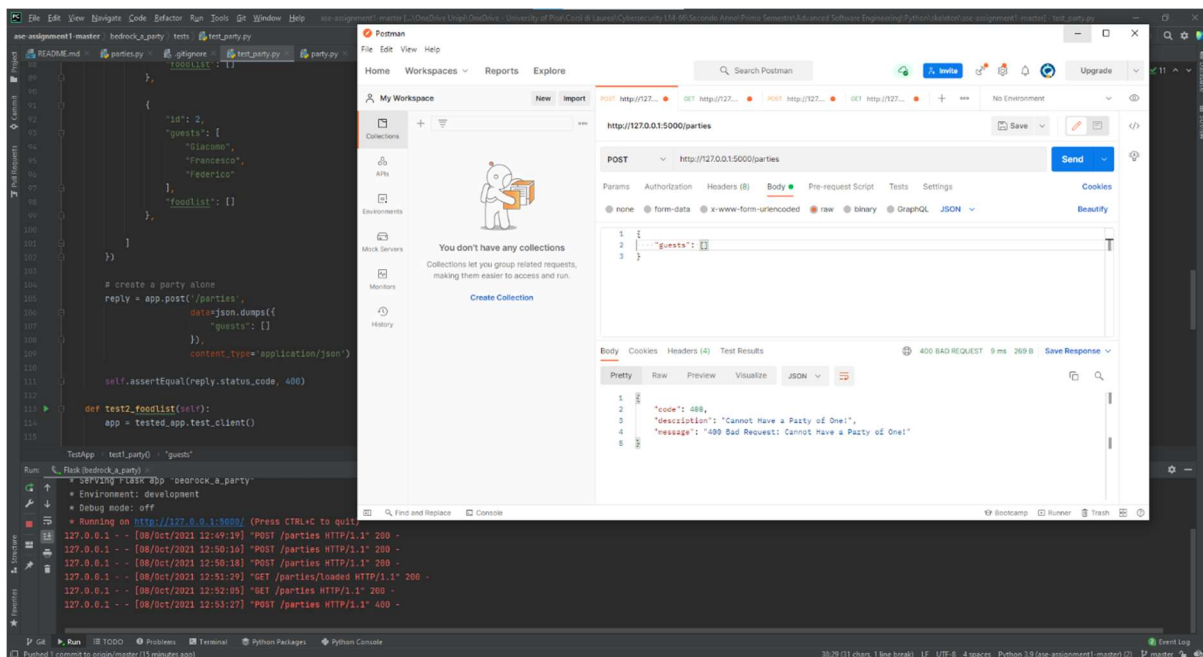
## 3- POST two additional copies of that party



### 3- GET /parties/loaded

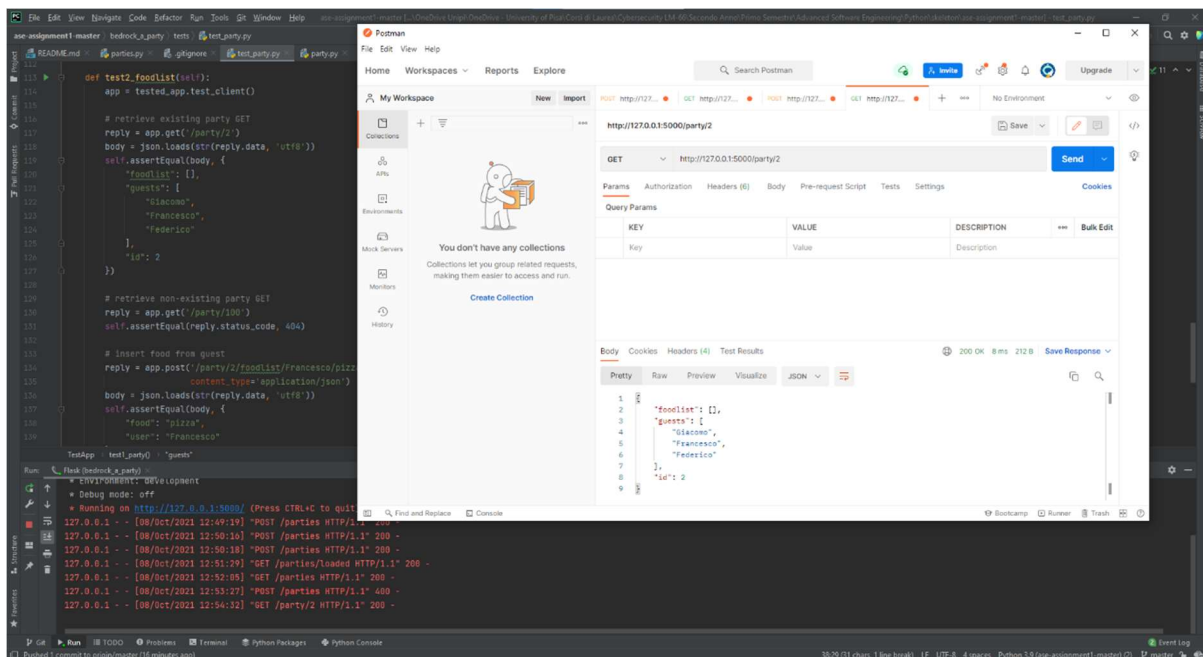


### 4- GET /parties, return json shrunk for readability

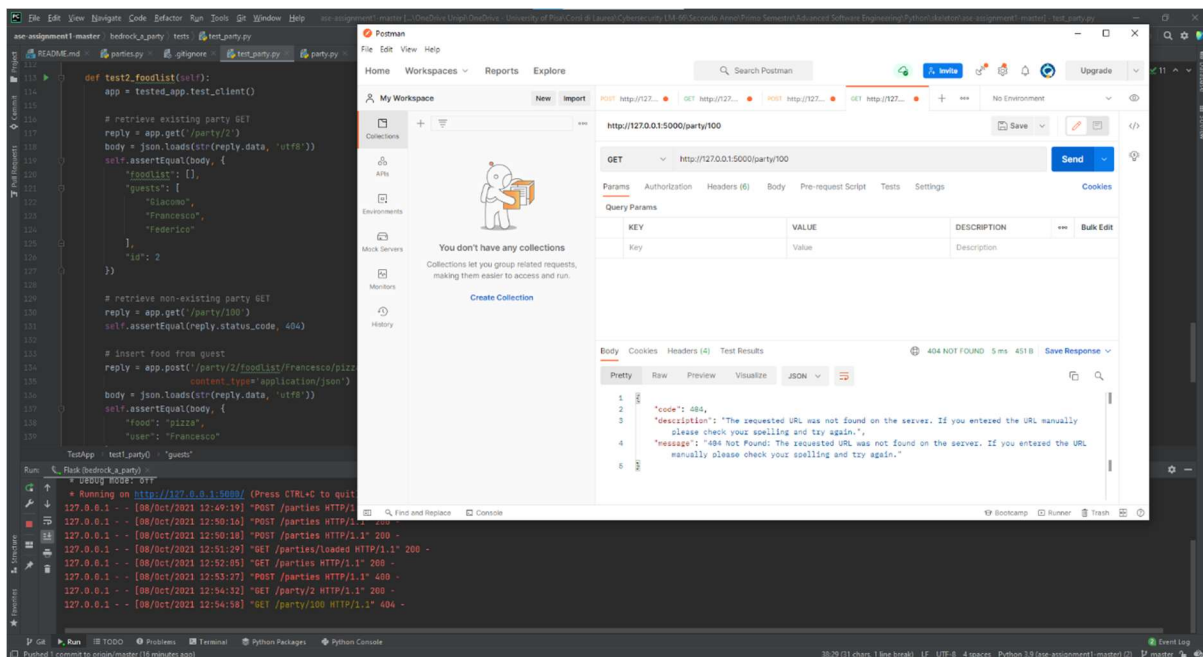


5- POST /parties with empty party

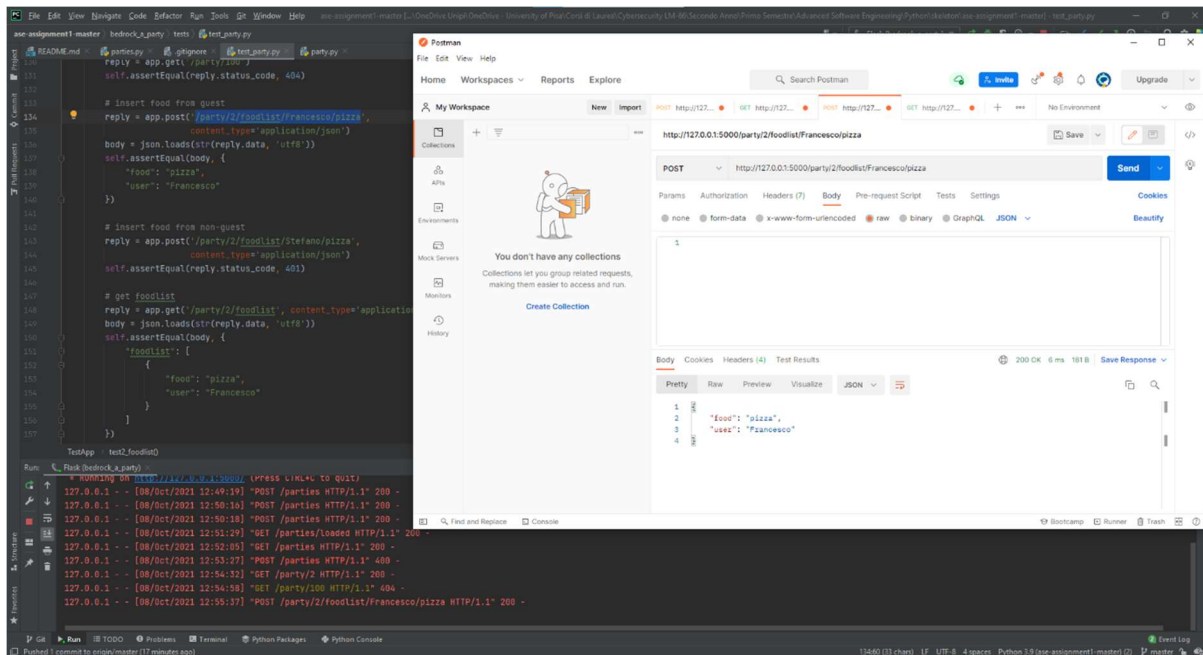
## 2<sup>nd</sup> Test



6- GET /party/2

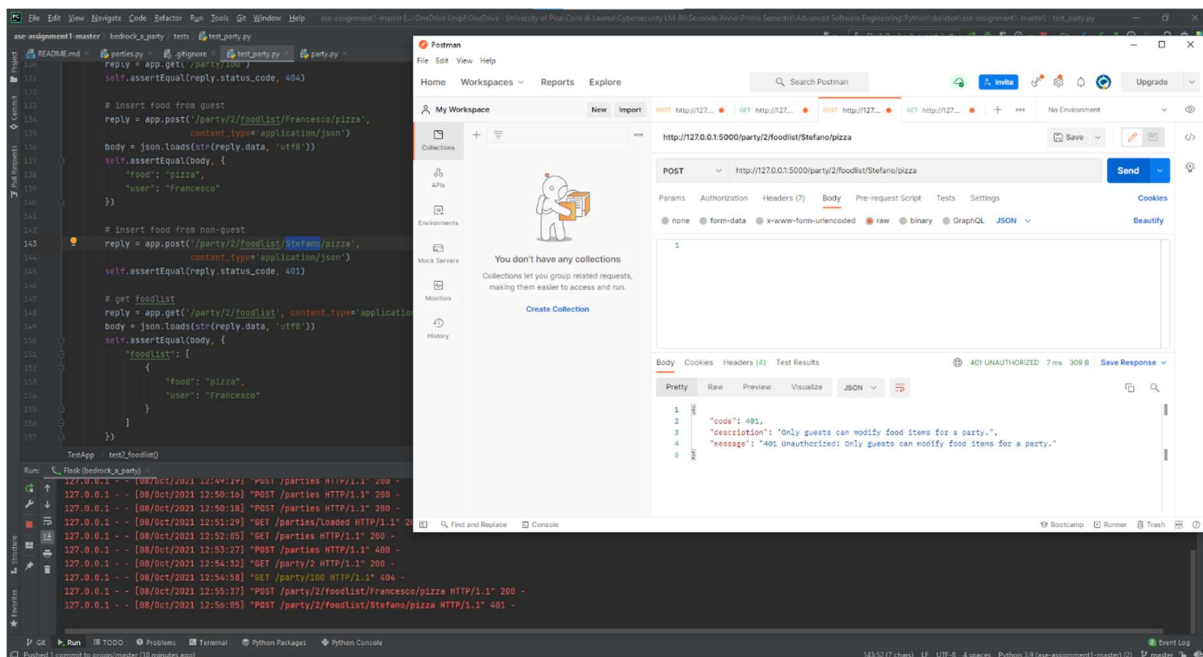


## 7- GET /party/100

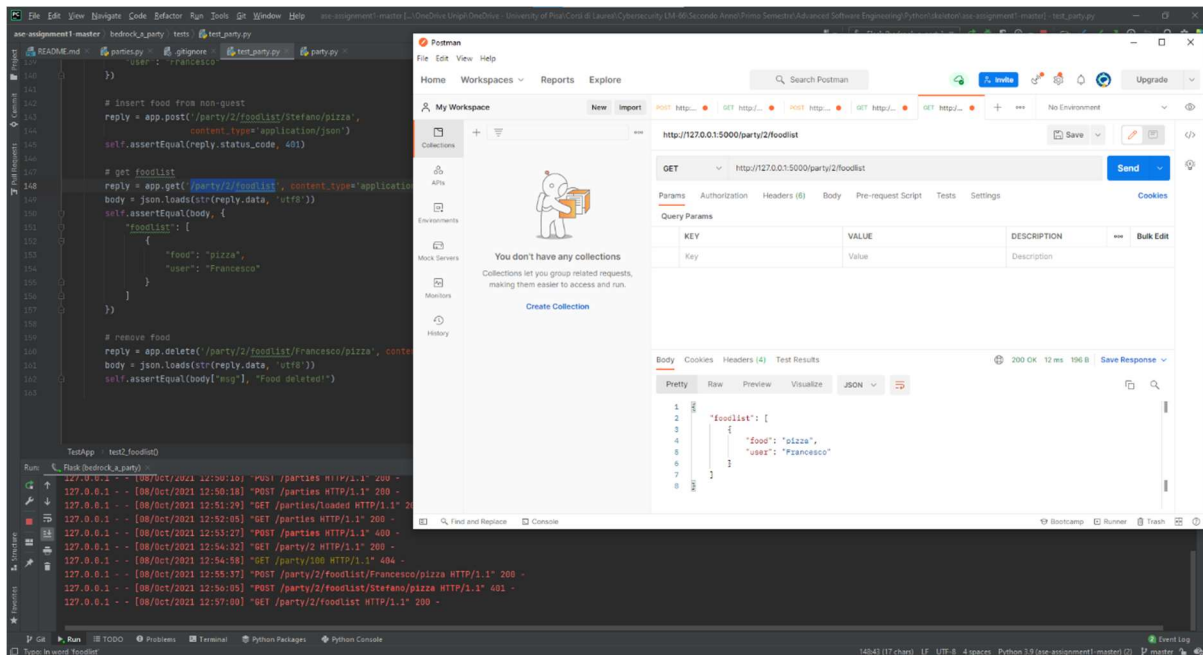


## 8- POST a new food item in existing party from guest of that party

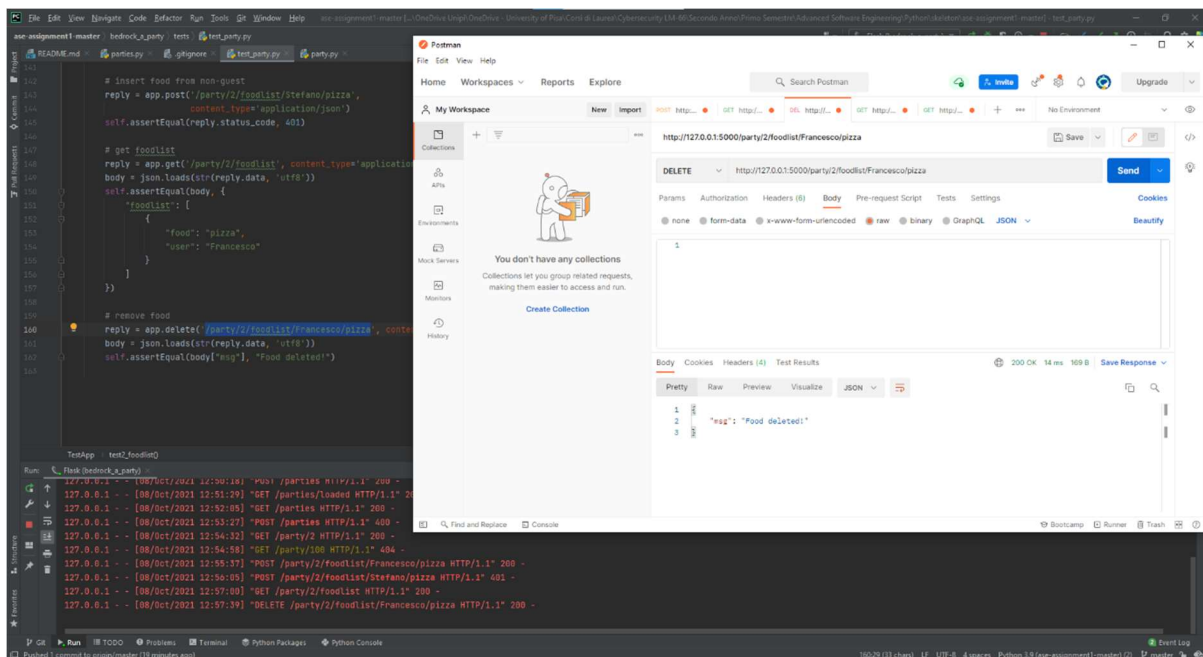




9- POST a new food item to existing party from someone who is NOT a guest of that party

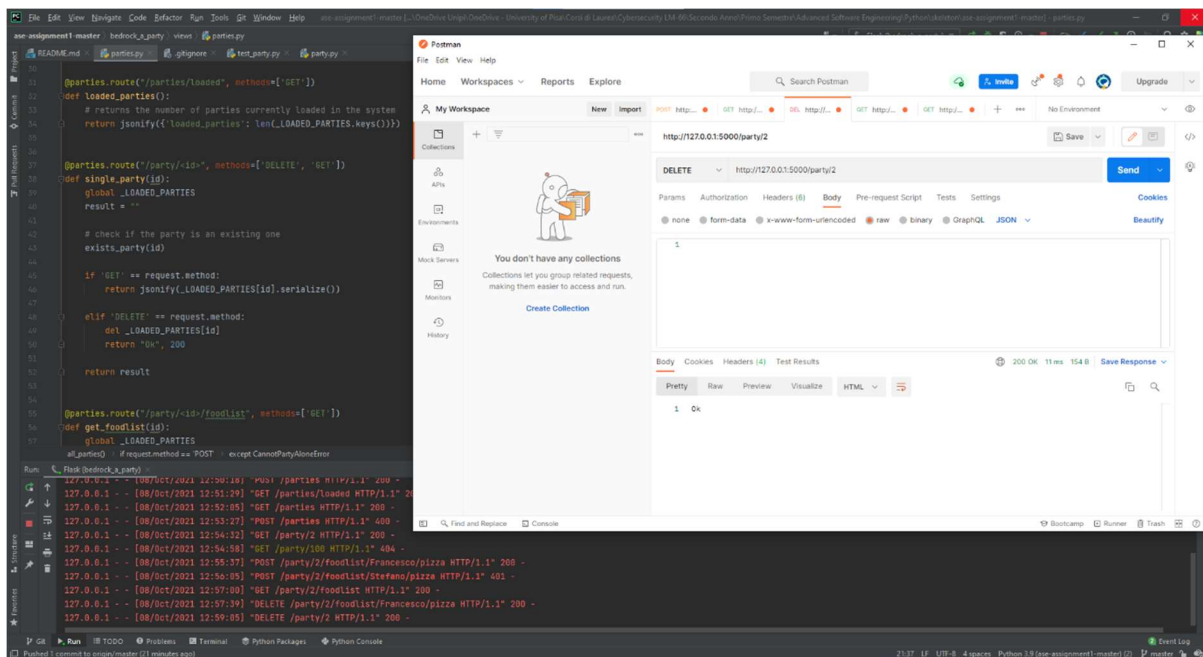


10- GET party/2/foodlist



## 11- DELETE valid food item from foodlist

## Outside of Tests:



## 12- Delete an existing Party